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1 At the forge: Unicode
Reuven M. Lerner
March 2003 **Linux Journal**, Volume 2003 Issue 107
Publisher: Specialized Systems Consultants, Inc.
Full text available: 📄 html(16.84 KB)   Additional Information: full citation, index terms

2 Research papers: storage, indexing, and system architecture: System RX: one part relational, one part XML
Kevin Beyer, Roberta J. Cochrane, Vanja Josifovski, Jim Kleewein, George Lapis, Guy Lohman, Bob Lyle, Fatma Özcan, Hamid Pirahesh, Normen Seemann, Tuong Truong, Bert Van der Linden, Brian Vickery, Chun Zhang
June 2005 **Proceedings of the 2005 ACM SIGMOD international conference on Management of data**
Publisher: ACM Press
Full text available: 📄 pdf(426.08 KB)   Additional Information: full citation, abstract, references

This paper describes the overall architecture and design aspects of a hybrid relational and XML database system called System RX. We believe that such a system is fundamental in the evolution of enterprise data management solutions: XML and relational data will co-exist and complement each other in enterprise solutions. Furthermore, a successful XML repository requires much of the same infrastructure that already exists in a relational database management system. Finally, XML query languages hav ...

3 Level set and PDE methods for computer graphics
David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: 📄 pdf(17.07 MB)   Additional Information: full citation, abstract

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

4 <u>VRML molecular dynamics trajectories</u>

Geoff Leach, James Gilbert

February 1999 **Proceedings of the fourth symposium on Virtual reality modeling language**

Publisher: ACM Press

Full text available: pdf(2.25 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

Keywords: VRML, compression, molecular dynamics, scientific visualisation

5 <u>Internationalization and character set standards</u>

Glenn Adams

September 1993 **StandardView**, Volume 1 Issue 1

Publisher: ACM Press

Full text available: pdf(1.30 MB)   Additional Information: <u>full citation</u>, <u>index terms</u>, <u>review</u>

6 <u>Reviewed articles: SIGAda 2001 workshop, "creating a symbiotic relationship between XML and Ada"</u>

Robert C. Leif

September 2002 **ACM SIGAda Ada Letters,** Volume XXII Issue 3

Publisher: ACM Press

Full text available: pdf(1.39 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The purpose of the workshop was to organize the Ada community to take advantage of the opportunity to create Ada applications that are operating systems independent because they are based on a web technology, XML, Extensible Markup Language. The commercial use of the Internet is the driving force behind XML. Four elements of XML, which together are sufficient to build a web application, and all employ the same syntax were described. These are XML; its schema; the Extensible Stylesheet Language, ...

7 <u>Getting Erlang to talk to the outside world</u>

Joe Armstrong

October 2002 **Proceedings of the 2002 ACM SIGPLAN workshop on Erlang**

Publisher: ACM Press

Full text available: pdf(125.52 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

How should Erlang talk to the outside world? --- this question becomes interesting if we want to build distributed applications where Erlang is one of a number of communicating components.We assume these components interact by exchanging messages --- at this level of abstraction, details of programming language, operating system and host architecture are irrelevant. What is important is the ease with which we can construct such systems, and the precision with which we can isolate faulty componen ...

8 <u>Technical correspondence: An overview of Fortran 2003</u>

John Reid

August 2004 **ACM SIGPLAN Notices,** Volume 39 Issue 8

Publisher: ACM Press

Full text available: pdf(101.65 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

There is plenty happening just now with respect to Fortran. Two sets of features (for

exception handling and for enhancements to allocatable arrays) were defined in Technical Reports as extensions to Fortran 95 and have become widely available in compilers.

The features of Fortran 2003 have been chosen and the standard is essentially complete. As well as the contents of the two Technical Reports, this adds interoperability with C, parameterized derived types, procedure pointers, type e ...

9 Requirements for and evaluation of RMI protocols for scientific computing

Madhusudhan Govindaraju, Aleksander Slominski, Venkatesh Choppella, Randall Bramley, Dennis Gannon

November 2000 **Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)**

Publisher: IEEE Computer Society

Full text available: 📄 pdf(306.83 KB)   Additional Information: full citation, abstract, references, citings, index
📄 Publisher Site   terms

Distributed software component architectures provide a promising approach to the problem of building large scale, scientific Grid applications. Communication in these component architectures is based on Remote Method Invocation (RMI) protocols that allow one software component to invoke the functionality of another. Examples include Java remote method invocation (Java RMI) and the new Simple Object Access Protocol (SOAP). SOAP has the advantage that many programming languages and component ...

Keywords: Distributed computing, software component systems, communicationprotocols, RMI,Java, SOAP

10 Automatic vectorization of character string manipulation and relational operations in Pascal

T. Tsuda, Y. Kunieda, P. Atipas

August 1989 **Proceedings of the 1989 ACM/IEEE conference on Supercomputing**

Publisher: ACM Press

Full text available: 📄 pdf(1.00 MB)   Additional Information: full citation, abstract, references, index terms

In our paper of Supercomputing '88, an overview of V-Pascal, an automatic vectorizing compiler for Pascal, was presented with focus on its Version 1. In that paper, as one of those higher functions to be added to Version 2 V-Pascal, vector-mode execution of nonnummeric operations such as relational database operations and nonnumeric data manipulations was considered. This paper describes the actual results we have obtained. These results are important in that a new vista has been opened up ...

11 Vinci: a service-oriented architecture for rapid development of web applications

Rakesh Agrawal, Roberto J. Bayardo, Daniel Gruhl, Spiros Papadimitriou

April 2001 **Proceedings of the 10th international conference on World Wide Web**

Publisher: ACM Press

Full text available: 📄 pdf(472.82 KB)   Additional Information: full citation, references, citings, index terms

12 Scaling up the semantic web: On labeling schemes for the semantic web

Vassilis Christophides, Dimitris Plexousakis, Michel Scholl, Sotirios Tourtounis

May 2003 **Proceedings of the 12th international conference on World Wide Web**

Publisher: ACM Press

Full text available: 📄 pdf(294.32 KB)   Additional Information: full citation, abstract, references, citings, index
                                  terms

This paper focuses on the optimization of the navigation through voluminous subsumption hierarchies of topics employed by Portal Catalogs like Netscape Open Directory (ODP). We advocate for the use of labeling schemes for modeling these hierarchies in order to efficiently answer queries such as subsumption check, descendants, ancestors or nearest common ancestor, which usually require costly transitive closure computations. We first give a qualitative comparison of three main families of schemes ...

13 A language and character set determination method based on N-gram statistics

Izumi Suzuki, Yoshiki Mikami, Ario Ohsato, Yoshihide Chubachi
September 2002 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 1 Issue 3
Publisher: ACM Press
Full text available: pdf(94.47 KB)   Additional Information: full citation, abstract, references, index terms

An N-gram-based language, script, and encoding scheme-detection method is introduced in this article. The method detects language, script, and encoding schemes using a target text document encoded by computer by checking how many byte sequences of the target match the byte sequences that can appear in the texts belonging to a language, script, and encoding scheme. This detection mechanism is different from conventional N-gram-based methods in that its threshold for any category is uniquely prede ...

Keywords: N-gram, Unicode, character set, corpus-based analysis, local language site, natural languages, text categorization

14 Contributions: Parallel programming techniques for compilers

Neil Lincoln
October 1970 **ACM SIGPLAN Notices**, Volume 5 Issue 10
Publisher: ACM Press
Full text available: pdf(746.32 KB)   Additional Information: full citation, references

15 Integrating IR and RDBMS using cooperative indexing

Samuel DeFazio, Amjad Daoud, Lisa Ann Smith, Jagannathan Srinivasan
July 1995 **Proceedings of the 18th annual international ACM SIGIR conference on Research and development in information retrieval**
Publisher: ACM Press
Full text available: pdf(995.25 KB)   Additional Information: full citation, references, citings, index terms

16 GPGPU: general purpose computation on graphics hardware

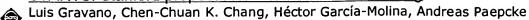David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aaron Lefohn
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(63.03 MB)   Additional Information: full citation, abstract

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely powerful and flexible processor. The latest graphics architectures provide tremendous memory bandwidth and computational horsepower, with fully programmable vertex and pixel processing units that support vector operations up to full IEEE floating point precision. High level languages have emerged for graphics hardware, making this computational power accessible. Architecturally, GPUs are highly parallel s ...

17 STARTS: Stanford proposal for Internet meta-searching

Luis Gravano, Chen-Chuan K. Chang, Héctor García-Molina, Andreas Paepcke
June 1997 **ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data SIGMOD '97**, Volume 26 Issue 2
Publisher: ACM Press

Full text available: pdf(1.53 MB)   Additional Information: full citation, abstract, references, citings, index terms

Document sources are available everywhere, both within the internal networks of organizations and on the Internet. Even individual organizations use search engines from different vendors to index their internal document collections. These search engines are typically incompatible in that they support different query models and interfaces, they do not return enough information with the query results for adequate merging of the results, and finally, in that they do not export metadata about t ...

18 Localization of web content

Daniel Brandon
December 2001 **Journal of Computing Sciences in Colleges**, Volume 17 Issue 2
Publisher: Consortium for Computing Sciences in Colleges
Full text available: pdf(266.53 KB)   Additional Information: full citation, references, index terms

19 Real-time shadowing techniques

Tomas Akenine-Moeller, Eric Chan, Wolfgang Heidrich, Jan Kautz, Mark Kilgard, Marc Stamminger
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
Publisher: ACM Press
Full text available: pdf(11.17 MB)   Additional Information: full citation, abstract

Shadows heighten realism and provide important visual cues about the spatial relationships between objects. But integration of robust shadow shadowing techniques in real-time rendering is not an easy task. In this course on how shadows are incorporated in real-time rendering, attendees learn basic shadowing techniques and more advanced techniques that exploit new features of graphics hardware.The course begins with shadowing techniques using shadow maps. After an introduction to shadow maps and ...

20 Pen computing: a technology overview and a vision

André Meyer
July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3
Publisher: ACM Press
Full text available: pdf(5.14 MB)   Additional Information: full citation, abstract, citings, index terms
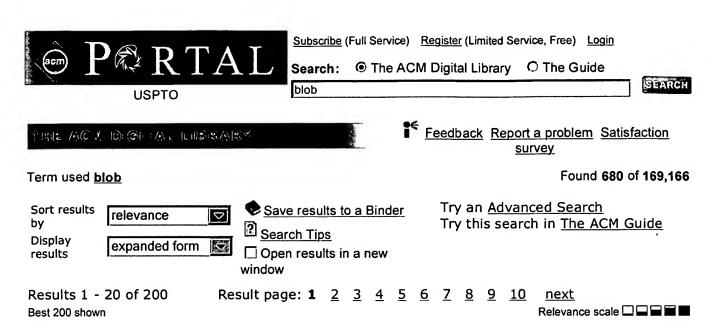
This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

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1 Computational models: BLOB computing   ◼
   Frédéric Gruau, Yves Lhuillier, Philippe Reitz, Olivier Temam
   April 2004 **Proceedings of the 1st conference on Computing frontiers**
   Publisher: ACM Press
   Full text available: 📄 pdf(1.02 MB)   Additional Information: full citation, abstract, references, index terms

   Current processor and multiprocessor architectures are almost all based on the Von Neumann paradigm. Based on this paradigm, one can build a general-purpose computer using very few transistors, e.g., 2250 transistors in the first Intel 4004 microprocessor. In other terms, the notion that on-chip space is a scarce resource is at the root of this paradigm which trades on-chip space for program execution time. Today, technology considerably relaxed this space constraint. Still, few research works q ...

   Keywords: bio-inspiration, cellular automata, scalable architectures

2 An algorithm for blob hierarchy layout   ◼
   David Harel, Gregory Yashchin
   May 2000 **Proceedings of the working conference on Advanced visual interfaces**
   Publisher: ACM Press
   Full text available: 📄 pdf(960.00 KB)   Additional Information: full citation, abstract, references, citings, index terms

   We present an algorithm for the aesthetic drawing of basic hierarchical blob structures, of the kind found in higraphs and statecharts and in other diagrams in which hierarchy is depicted as topological inclusion. Our work could also be useful in window system dynamics, and possibly also in things like newspaper layout, etc. Several criteria for aesthetics are formulated, and we discuss their motivation, our methods of implementation and the algorithm's performance.

   Keywords: blob, hierarchy, higraph, layout

3 Evolutionary combinatorial optimization: The blob code is competitive with edge-sets ◼
   in genetic algorithms for the minimum routing cost spanning tree problem
   Bryant A. Julstrom
   June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

Publisher: ACM Press

Full text available: 🔓 pdf(109.33 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Among the many codings of spanning trees for evolutionary search are those based on bijections between Prüfer strings---strings of n-2 vertex labels---and spanning trees on the labeled vertices. One of these bijections, called the Blob Code, showed promise as an evolutionary coding, but EAs that use it to represent spanning trees have not performed well. Here, a genetic algorithm that represents spanning trees via the Blob Code is faster than, and returns results competitive with tho ...

Keywords: blob code, codings, edge-sets, routing cost, spanning trees

4   <u>H-BLOB: a hierarchical visual clustering method using implicit surfaces</u>   ⬛

T. C. Sprenger, R. Brunella, M. H. Gross

October 2000 **Proceedings of the conference on Visualization '00**

Publisher: IEEE Computer Society Press

Full text available: 🔓 pdf(2.17 MB)   Additional Information: <u>full citation</u>, <u>citings</u>, <u>index terms</u>

Keywords: catergorization, cluster visualization, clustering, information visualization, multidimensional information visualization, non-linear dimensionality reduction, partitioning, physics-based graph layout

5   <u>Multiparty unconditionally secure protocols</u>   ⬛

David Chaum, Claude Crépeau, Ivan Damgard

January 1988 **Proceedings of the twentieth annual ACM symposium on Theory of computing**

Publisher: ACM Press

Full text available: 🔓 pdf(857.96 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Under the assumption that each pair of participants can communicate secretly, we show that any reasonable multiparty protocol can be achieved if at least 2n/3 of the participants are honest. The secrecy achieved is unconditional. It does not rely on any assumption about computational intractability.

6   <u>Subquadratic zero-knowledge</u>   ⬛

Joan Boyar, Gilles Brassard, René Peralta

November 1995 **Journal of the ACM (JACM)**, Volume 42 Issue 6

Publisher: ACM Press

Full text available: 🔓 pdf(1.91 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: bit commitment, circuit evaluation, communication complexity, cryptography, interactive proofs, matrix multiplication, non-averaging sets, randomness, zero knowledge

7   <u>Session 6A: Hardness of the undirected congestion minimization problem</u>   ⬛

Matthew Andrews, Lisa Zhang

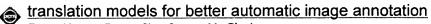May 2005 **Proceedings of the thirty-seventh annual ACM symposium on Theory of computing**

Publisher: ACM Press

Full text available: pdf(195.96 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

We show that there is no $(\log \log M)^{1-\varepsilon}$ approximation for the undirected congestion minimization problem unless $NP \subseteq ZPTIME(n^{polylogn})$, where M is the size of the graph and ε is any positive constant.

Keywords: congestion minimization, hardness of approximation, undirected graphs

8 <u>IR-4 (information retrieval): machine learning in information retrieval: Regularizing translation models for better automatic image annotation</u>
Feng Kang, Rong Jin, Joyce Y. Chai
November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**
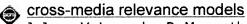**Publisher**: ACM Press
Full text available: pdf(250.23 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The goal of automatic image annotation is to automatically generate annotations for images to describe their content. In the past, statistical machine translation models have been successfully applied to automatic image annotation task [8]. It views the process of annotating images as a process of translating the content from a 'visual language' to textual words. One problem with the existing translation models is that common words are usually associated with too many different image regions. ...

Keywords: automatic image annotation, normalized translation model, regularized translation model, translation model

9 <u>Multimedia information retrieval: Automatic image annotation and retrieval using cross-media relevance models</u>
J. Jeon, V. Lavrenko, R. Manmatha
July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**
Publisher: ACM Press
Full text available: pdf(539.83 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Libraries have traditionally used manual image annotation for indexing and then later retrieving their image collections. However, manual image annotation is an expensive and labor intensive procedure and hence there has been great interest in coming up with automatic ways to retrieve images based on content. Here, we propose an automatic approach to annotating and retrieving images based on a training set of images. We assume that regions in an image can be described using a small vocabulary of ...

Keywords: image annotation, image retrieval, relevance models

10 <u>Depicting fire and other gaseous phenomena using diffusion processes</u>
Jos Stam, Eugene Fiume
September 1995 **Proceedings of the 22nd annual conference on Computer graphics and interactive techniques**
Publisher: ACM Press
Full text available: pdf(298.91 KB)
 ps(134.43 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

Keywords: advection, diffusion, fire, gaseous phenomena, light transport, multiple scattering, particle systems, smoke, turbulence, warped blobbies

11 <u>Storing and querying XML data using denormalized relational databases</u>

Andrey Balmin, Yannis Papakonstantinou

March 2005 **The VLDB Journal — The International Journal on Very Large Data Bases,** Volume 14 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: <u>pdf(397.97 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>

XML database systems emerge as a result of the acceptance of the XML data model. Recent works have followed the promising approach of building XML database management systems on underlying RDBMS's. Achieving query processing performance reduces to two questions: (i) How should the XML data be decomposed into data that are stored in the RDBMS? (ii) How should the XML query be translated into an efficient plan that sends one or more SQL queries to the underlying RDBMS and combines the data ...

12 <u>On visual formalisms</u>

David Harel

May 1988 **Communications of the ACM**, Volume 31 Issue 5

Publisher: ACM Press

Full text available: <u>pdf(1.59 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

The higraph, a general kind of diagramming object, forms a visual formalism of topological nature. Higraphs are suited for a wide array of applications to databases, knowledge representation, and, most notably, the behavioral specification of complex concurrent systems using the higraph-based language of statecharts.

13 <u>A note on efficient zero-knowledge proofs and arguments (extended abstract)</u>

Joe Kilian

July 1992 **Proceedings of the twenty-fourth annual ACM symposium on Theory of computing**

Publisher: ACM Press

Full text available: <u>pdf(937.71 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In this note, we present new zero-knowledge interactive proofs and arguments for languages in NP. To show that x &egr; L, with an error probability of at most 2-k, our zero-knowledge proof system requires $O(|x|c1)+O(lgc2|x|)k$

14 <u>Rendering: New dimension for sketches</u>

Roman Ženka, Pavel Slavík

April 2003 **Proceedings of the 19th spring conference on Computer graphics**

Publisher: ACM Press

Full text available: <u>pdf(236.03 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>

We propose a method for creating 'smart' sketches of free form 3D objects. A 2D sketch of an object drawn by the user is enriched with information about its 3D structure. With the help of our system, the user can rotate the created sketch of the object and view it from various angles. Since most of the user input is a traditional 2D sketch, the system is very easy to use and doesn't limit the user's creativity. Our approach closely simulates the way 3D objects are drawn by artists. The user firs ...

Keywords: blobs, modelling, non-photorealistic rendering, sketching

15 Military applications: Agent modeling: models of defeat

Gary King, Brent Heeringa, David Westbrook, Joe Catalano, Paul Cohen

December 2002 **Proceedings of the 34th conference on Winter simulation: exploring new frontiers**

Publisher: Winter Simulation Conference

Full text available: pdf(177.40 KB)   Additional Information: full citation, abstract, references

Coalition operations are increasingly effects-based, which means they apply force only as necessary to achieve political and psychological effects. Capture the Flag is a wargaming environment that includes intelligent, autonomous adversaries. Our planner previously focused on two goals: occupying objectives and attrition. But attrition is a means to the defeat of one's enemies, not an end in itself. For Capture the Flag to plan for defeat, it needs a model of defeat. We model the "capacity fo ...

16 Modelling and representing surfaces: Interactive modelling from sketches using spherical implicit functions

A. Alexe, V. Gaildrat, L. Barthe

November 2004 **Proceedings of the 3rd international conference on Computer graphics, virtual reality, visualisation and interaction in Africa**

Publisher: ACM Press

Full text available: pdf(457.03 KB)   Additional Information: full citation, abstract, references, index terms

We present an interactive modelling technique, which reconstructs three-dimensional objects from user-drawn two-dimensional strokes. We first extract a skeleton from the 2D contour, and the skeleton is used to define an implicit surface that fits the 2D contour. The reconstructed 3D shape has a natural aspect, it is very smooth and can easily be edited and modified using strokes or performing operations on the skeleton. This method is very accessible for non-specialist users and it allows fas ...

Keywords: geometric modelling, implicit surfaces, sketches

17 Multimedia data mining: Automatic image annotation and retrieval using subspace clustering algorithm

Lei Wang, Li Liu, Latifur Khan

November 2004 **Proceedings of the 2nd ACM international workshop on Multimedia databases**

Publisher: ACM Press

Full text available: pdf(318.09 KB)   Additional Information: full citation, abstract, references, index terms

The development of technology generates huge amounts of non-textual information, such as images. An efficient image annotation and retrieval system is highly desired. Clustering algorithms make it possible to represent visual features of images with finite symbols. Based on this, many statistical models, which analyze correspondence between visual features and words and discover hidden semantics, have been published. These models improve the annotation and retrieval of large image databases. ...

Keywords: EM, SVD, blob tokens, features, similarity, subspace clustering

18 Comparing *in situ mRNA* expression patterns of *drosophila* embryos

Hanchuan Peng, Eugene W. Myers

March 2004 **Proceedings of the eighth annual international conference on Resaerch in computational molecular biology RECOMB '04**

Publisher: ACM Press

Full text available: pdf(377.74 KB)   Additional Information: full citation, abstract, references, index terms

In situ staining of a target *m*RNA at several time points during the development of a D. *melanogaster* embryo gives one a detailed spatio-temporal view of the expression pattern of a given gene. We have developed algorithms and software for analyzing a database of such images with the goal of being able to identify coordinately expressed genes and further our understanding of *cis*-regulatory control during embryogenesis. Our approach combines measures of similarity at bo ...

Keywords: drosophila, embryogenesis, gaussian mixture model, gene expression, image matching, in situ hybridization

19   Translating GraphLog to SQL   ■
Frank Ch. Eigler
October 1994 **Proceedings of the 1994 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(103.75 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The Hy$^+$ database visualization system uses GraphLog, a novel graphical language to express a wide range of queries that have been traditionally outside the reach of relational languages. Therefore Hy$^+$ has used various deductive database systems (Prolog, LDL*, CORAL*) to compute GraphLog queries. With large or legacy databases, however, it is desirable to use relational databases like IBM* DB2* for AIX* to perform the com ...

20   Hy+: a Hygraph-based query and visualization system   ■
Mariano Consens, Alberto Mendelzon
June 1993 **ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data SIGMOD '93**, Volume 22 Issue 2
Publisher: ACM Press
Full text available: pdf(719.06 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

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1 **Comparative study of monolingual and multilingual search models for use with asian languages** ◼

Jacques Savoy
June 2005 **ACM Transactions on Asian Language Information Processing (TALIP)**,
Volume 4 Issue 2
Publisher: ACM Press
Full text available: 🗎 pdf(305.37 KB)   Additional Information: full citation, abstract, references, index terms

> Based on the NTCIR-4 test-collection, our first objective is to present an overview of the retrieval effectiveness of nine vector-space and two probabilistic models that perform monolingual searches in the Chinese, Japanese, Korean, and English languages. Our second goal is to analyze the relative merits of the various automated and freely available toolsto translate the English-language topics into Chinese, Japanese, or Korean, and then submit the resultant query in order to retrieve pertinent ...

> **Keywords:** Chinese language, Japanese language, Korean language, Multilingual information retrieval, cross-language information retrieval, natural language processing with Asian languages, results-merging, search engines with Asian languages

2 **Rich results from poor resources: NTCIR-4 monolingual and cross-lingual retrieval of korean texts using chinese and english** ◼

Kui Lam Kwok, Sora Choi, Norbert Dinstl
June 2005 **ACM Transactions on Asian Language Information Processing (TALIP)**,
Volume 4 Issue 2
Publisher: ACM Press
Full text available: 🗎 pdf(685.34 KB)   Additional Information: full citation, abstract, references, index terms

> We report on Korean monolingual, Chinese-Korean English-as-pivot bilingual, and Chinese-English bilingual CLIR experiments using MT software augmented with Web-based entity-oriented translation as resources in the NTCIR-4 environment. Simple stemming is helpful in improving bigram indexing for Korean retrieval. For word indexing, keeping nouns only is preferable. Web-based translation reduces untranslated terms left over after MT and substantially improves CLIR results. Translation concatenation ...

> **Keywords:** Chinese-English-Korean pivot CLIR, Chinese-Korean CLIR, Web-based entity-oriented translation, bigram indexing, translation disambiguation

3   <u>Machine learning comprehension grammars for ten languages</u>

Patrick Suppes, Lin Liang, Michael Böttner
September 1996 **Computational Linguistics**, Volume 22 Issue 3

ˈ   **Publisher:** MIT Press

Full text available: <u>pdf(1.27 MB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>
<u>Publisher Site</u>

Comprehension grammars for a sample of ten languages (English, Dutch, German, French, Spanish, Catalan, Russian, Chinese, Korean, and Japanese) were derived by machine learning from corpora of about 400 sentences. Key concepts in our learning theory are: probabilistic association of words and meanings, grammatical and semantical form generalization, grammar computations, congruence of meaning, and dynamical assignment of denotational value to a word.

4   <u>Workshop reports: Cross-Language Chinese Text Retrieval in NTCIR Workshop:</u>
<u>towards Cross-Language multilingual Text Retrieval</u>

Kuang-hua Chen, Hsin-Hsi Chen
September 2001 **ACM SIGIR Forum**, Volume 35 Issue 2

Publisher: ACM Press

Full text available: <u>pdf(685.26 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

This article reports the results of Chinese Text Retrieval (CHTR) tasks in NTCIR Workshop 2 and the future plan of NTCIR workshop. CHTR tasks fall into two categories: Chinese-Chinese IR (CHIR) and English-Chinese IR (ECIR). The definitions, schedules, test collection (CIRB010), search results, evaluation, and initial analyses of search results of CHIR and ECIR are discussed in this article. The new plan of NTCIR towards multilingual Cross-Language Information Retrieval (CLIR) is also described.

5   <u>Japanese APL language system on IBM Multistation 5550</u>

M. Udo, Y. Akimoto, S. Kaneko, T. Sanuki, M. Alfonseca
May 1986 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL APL '86**, Volume 16 Issue 4

Publisher: ACM Press

Full text available: <u>pdf(708.06 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper exemplifies the national language support of a programming language by describing the implementation of APL with a language facility for processing Japanese characters: that is, a character set that has "wide" characters that occupy space of more than one byte. By national language support, in this paper, we mean that users are enabled to use their own national language in the data, as legal character strings of the programming language. We describe the implementation ...

6   <u>Alphabet Soup</u>

Stephen Turnbull
March 1999 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.

Full text available: <u>html(40.76 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The Internationalization of Linux, Part 1: Mr. Turnbull takes a look at the problems faced when different character sets and the need for standardization

7

<u>Dynamic programming: a method for taking advantage of technical terminology in</u>
<u>Japanese documents</u>

Eiko Yamamoto, Mikio Yamamoto, Kyoji Umemura, Kenneth W. Church
November 2000 **Proceedings of the fifth international workshop on on Information retrieval with Asian languages**
Publisher: ACM Press
Full text available: pdf(506.81 KB)   Additional Information: full citation, abstract, references

> We introduce a new similarity measure based on dynamic programming, intended for technical terms such as *machine translation system*, which are quite common in technical writing. We compare our proposal with systems which use standard IDF cosine similarity, but on different vocabularies. The dynamic programming method is relatively strong when the query contains a single long technical term, and none of the words in the term are particularly good keywords.

> **Keywords**: edit distance, information retrieval, similarity measure, technical term, terminology

8 Use of mutual information based character clusters in dictionary-less morphological analysis of Japanese

Hideki Kashioka, Yasuhiro Kawata, Yumiko Kinjo, Andrew Finch, Ezra W. Black
August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 1 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 1**
Publisher: Association for Computational Linguistics , Association for Computational Linguistics
Full text available: pdf(469.55 KB)
 Publisher Site
Additional Information: full citation, abstract, references, citings

> For languages whose character set is very large and whose orthography does not require spacing between words, such as Japanese, tokenizing and part-of-speech tagging are often the difficult parts of any morphological analysis. For practical systems to tackle this problem, uncontrolled heuristics are primarily used. The use of information on character sorts, however, mitigates this difficulty. This paper presents our method of incorporating character clustering based on mutual information into De ...

9 Feasibility study for ellipsis resolution in dialogues by machine-learning technique

Yamamoto Kazuhide, Sumita Eiichiro
August 1998 **Proceedings of the 17th international conference on Computational linguistics - Volume 2 , Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2**
Publisher: Association for Computational Linguistics , Association for Computational Linguistics
Full text available: pdf(726.06 KB)
 Publisher Site
Additional Information: full citation, abstract, references, citings

> A method for resolving the ellipses that appear in Japanese dialogues is proposed. This method resolves not only the subject ellipsis, but also those in object and other grammatical cases. In this approach, a machine-learning algorithm is used to select the attributes necessary for a resolution. A decision tree is built, and used as the actual ellipsis resolver. The results of blind tests have shown that the proposed method was able to provide a resolution accuracy of 91.7% for indirect objects, ...

10 Hello, world! a guide for transmitting multilingual electronic mail

Sunny Au
November 1995 **Proceedings of the 23rd annual ACM SIGUCCS conference on User services: winning the networking game**

Publisher: ACM Press
Full text available: pdf(560.55 KB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

11 <u>A comparison of Chinese document indexing strategies and retrieval models</u>

Robert W. P. Luk, K. L. Kwok
September 2002 **ACM Transactions on Asian Language Information Processing (TALIP)**, Volume 1 Issue 3
Publisher: ACM Press
Full text available: pdf(419.42 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

With the advent of the Internet and intranets, substantial interest is being shown in Asian language information retrieval; especially in Chinese, which is a good example of an Asian ideographic language (other examples include Japanese and Korean). Since, in this type of language, spaces do not delimit words, an important issue is which index terms should be extracted from documents. This issue also has wider implications for indexing other languages such as agglutinating languages (e.g., Finni ...

Keywords: Chinese information retrieval, comparison, indexing strategies

12 <u>The FINITE STRING Newsletter: Abstracts of current literature</u>

Computational Linguistics Staff
January 1987 **Computational Linguistics**, Volume 13 Issue 1-2
Publisher: MIT Press
Full text available: pdf(6.15 MB)   Additional Information: <u>full citation</u>
<u>Publisher Site</u>

13 <u>A computer-terminal, hardware/software system with enhanced user input capabilities: the enhanced-input terminal system (EITS)</u>

Roy Kaplow, Michael Molnar
July 1976 **ACM SIGGRAPH Computer Graphics , Proceedings of the 3rd annual conference on Computer graphics and interactive techniques SIGGRAPH '76**, Volume 10 Issue 2
Publisher: ACM Press
Full text available: pdf(223.47 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

The Enhanced-Input Terminal project is directed at providing major new degrees of freedom for touch-type computer input, especially for on-line use of interactive computer systems. The terminal comprises an integrated of hardware and software. While various choices are available for the actual input and output devices, the present prototype utilizes video display for both devices and a "cross-wire", touch-sensitive input panel. The EITS allows an "author" to define an essentially infinite set of ...

14 <u>User tests and multimodal gesture: Large vocabulary sign language recognition based on hierarchical decision trees</u>

Gaolin Fang, Wen Gao, Debin Zhao
November 2003 **Proceedings of the 5th international conference on Multimodal interfaces**
Publisher: ACM Press
Full text available: pdf(336.28 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

The major difficulty for large vocabulary sign language or gesture recognition lies in the huge search space due to a variety of recognized classes. How to reduce the recognition

time without loss of accuracy is a challenge issue. In this paper, a hierarchical decision tree is first presented for large vocabulary sign language recognition based on the divide-and-conquer principle. As each sign feature has the different importance to gestures, the corresponding classifiers are proposed for the hi ...

Keywords: Gaussian mixture model, finite state machine, gesture recognition, hierarchical decision tree, sign language recognition

15 Overlapping statistical word indexing: a new indexing method for Japanese text ▪

Yasushi Ogawa, Toru Matsuda

July 1997   **ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '97,** Volume 31 Issue SI

Publisher: ACM Press

Full text available: ▪ pdf(1.46 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

16 Invited paper: Future directions of machine translation ▪

Jun-ichi Tsujii

August 1986 **Proceedings of the 11th coference on Computational linguistics**

Publisher: Association for Computational Linguistics

Full text available: ▪ pdf(1.46 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>

17 Offline handwritten Chinese character recognition by radical decomposition ▪

Daming Shi, Robert I. Damper, Steve R. Gunn

March 2003 **ACM Transactions on Asian Language Information Processing (TALIP),** Volume 2 Issue 1
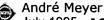
Publisher: ACM Press

Full text available: ▪ pdf(176.69 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

Offline handwritten Chinese character recognition is a very hard pattern-recognition problem of considerable practical importance. Two popular approaches are to extract features holistically from the character image or to decompose characters structurally into component parts---usually strokes. Here we take a novel approach, that of decomposing into radicals on the basis of image information (i.e., without first decomposing into strokes). During training, 60 examples of each radical were represe ...

Keywords: Chinese computing, Viterbi decoding, active shape modeling, offline character recognition

18 Pen computing: a technology overview and a vision ▪

André Meyer

July 1995   **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Publisher: ACM Press

Full text available: ▪ pdf(5.14 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>citings</u>, <u>index terms</u>

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions.Starting with a short historic ...

19 <u>Alphabet Soup: The internationalization of Linux, Part 2</u>   ▬
Stephen Turnbull
April 1999 **Linux Journal**

Publisher: Specialized Systems Consultants, Inc.
Full text available: 🔲 <u>html(41.08 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

> Mr. Turnbull takes a look at the problems faced with different character sets and the need for standardization

20 <u>Cross-lingual information retrieval: Automatic transliteration for Japanese-to-English</u>   ▬
◈ <u>text retrieval</u>
Yan Qu, Gregory Grefenstette, David A. Evans
July 2003 **Proceedings of the 26th annual international ACM SIGIR conference on Research and development in informaion retrieval**

Publisher: ACM Press
Full text available: 🔲 <u>pdf(242.80 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

> For cross language information retrieval (CLIR) based on bilingual translation dictionaries, good performance depends upon lexical coverage in the dictionary. This is especially true for languages possessing few inter-language cognates, such as between Japanese and English. In this paper, we describe a method for automatically creating and validating candidate Japanese transliterated terms of English words. A phonetic English dictionary and a set of probabilistic mapping rules are used for autom ...

> **Keywords:** automatic transliteration, cross language information retrieval

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☐	L5	L3 and (data near5 replicat$3)	0
☐	L4	L3 and (data near5 replicat$4)	0
☐	L3	(blob near5 set$1) and (blob near5 id$)	16
☐	L2	L1 and (blob near5 set$1) and (blob near5 id$)	0
☐	L1	((character$1 or word$1)near5 (set)) and (character$1 near5 id$)	1312

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☐	L3	L2 and encod$3	26
☐	L2	L1 and blob	26
☐	L1	utf-8	1014

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1   **IMAGE ANALYSIS DEVICE, IMAGE ANALYSIS METHOD, AND BLOB
     IDENTIFICATION DEVICE**
     Inventor: CURRY DONALD J; NAFARIEH ASGHAR; (+1)   Applicant: XEROX CORP

     EC: IPC: *G06K9/00; G06K9/34; G06K9/36* (+8)

     Publication info: **JP2005228340** - 2005-08-25

2   **Oyster rearing procedure consists of attaching each one to plastic
     mesh on bottom of maturing bed by blob or mortar**
     Inventor: GUILBAUD STEPHANE ROGER   Applicant: GUILBAUD STEPHANE ROGER (FR)

     EC: A01K61/00B   IPC: *A01K61/00*; A01K61/00; (IPC1-7): A01K61/00

     Publication info: **FR2858920** - 2005-02-25

3   **COMPUTER VISION METHOD AND SYSTEM FOR BLOB-BASED
     ANALYSIS USING A PROBABILISTIC FRAMEWORK**
     Inventor: COLMENAREZ ANTONIO; GUTTA SRINIVAS V   Applicant: KONINKL PHILIPS ELECTRONICS NV (NL)
     R; (+1)
     EC: G06T7/20C   IPC: *G06T7/20*; G06T7/20; (IPC1-7): G06T5/00
                                            (+1)
     Publication info: **WO03044737** - 2003-05-30

4   **Database storage and access method for use with very large amounts
     of oceanographic data, whereby data is stored in a geographical
     location dependent manner with BLOB data files stored separately and
     referenced by the database**
     Inventor: NISSEN IVOR (DE); UNGER MICHAEL (DE)   Applicant: BUNDESREP DEUTSCHLAND (DE)

     EC: IPC: *G06F17/30*; G06F17/30; (IPC1-7): G06F17/30

     Publication info: **DE10240881** - 2004-03-18

5   **Multiprobe blob test in lieu of 100% probe test**
     Inventor: STUBBLEFIELD TODD D (US); GHARIS   Applicant:
     EUGENE T (US); (+1)
     EC: G01R31/28E11   IPC: *G01R31/28*; G01R31/28; (IPC1-7): G06F19/00
                                            (+1)
     Publication info: **US2004034493** - 2004-02-19

6   **SUBSAMPLING METHOD FOR REAL-TIME BLOB DETECTION AND
     TRACKING IN IMAGE STREAM BASED ON AFFINE WARPING, AND
     COMPUTER-EXECUTABLE PROGRAM**
     Inventor: ALES UDE; ATKESON CHRISTOPHER   Applicant: ATR ADVANCED TELECOMM RES INST

     EC: IPC: *G06T1/00; G06T7/20*; G06T1/00 (+3)

     Publication info: **JP2004163989** - 2004-06-10

7   **Hybrid component manufacture/encapsulation technique having
     component connected substrates and flexible circuit wire
     connections/pad connection with semi solid sticky blob substrate
     placed forming partial encapsulation.**
     Inventor: Applicant: SIEMENS AG (DE)

     EC: H01L23/13; H01L23/31H2; (+1)   IPC: *H01L23/13; H01L23/31; H05K3/28* (+6)

     Publication info: **FR2795908** - 2001-01-05

8   **Integrated circuit container electrical connection method having upper
     protection layer gap revealing metallic pad and metallic deposition
     shape covering protection walls/holding solder blob connection.**
     Inventor: PETIT LUC; CASTELLANE ALEXANDRE   Applicant: ST MICROELECTRONICS SA (FR)

     EC: H01L21/60B2; H01L23/485B; (+1)   IPC: *H01L21/60; H01L23/485; H05K1/11* (+8)

     Publication info: **FR2799578** - 2001-04-13

9 **Apparatus and method for optimizing keyframe and blob retrieval and storage**

Inventor: ELENBAAS HERMANUS (NL); DIMITROVA NEVENKA (MK)

Applicant: KONINKL PHILIPS ELECTRONICS NV (NL)

EC: G06F17/30M5

IPC: *G06F17/30*; G06F17/30; (IPC1-7): G06F17/00

Publication info: **TW477937B** - 2002-03-01

10 **APPARATUS AND METHOD FOR OPTIMIZING KEYFRAME AND BLOB RETRIEVAL AND STORAGE**

Inventor: ELENBAAS HERMAN; DIMITROVA NEVENKA

Applicant: KONINKL PHILIPS ELECTRONICS NV (NL); PHILIPS SVENSKA AB (SE)

EC: G06F17/30M5

IPC: *G06F17/30*; G06F17/30; (IPC1-7): G06F17/30

Publication info: **WO9928835** - 1999-06-10

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□　1. **Segmentation and tracking of interacting human body parts under occlus shadowing**
Sangho Park; Aggarwal, J.K.;
Motion and Video Computing, 2002. Proceedings. Workshop on
5-6 Dec. 2002 Page(s):105 - 111
Digital Object Identifier 10.1109/MOTION.2002.1182221

AbstractPlus | Full Text: PDF(332 KB)　**IEEE CNF**

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IEE JNL	IEE Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

Select   **Article Information**

□   **1. Segmentation of moving pedestrians within the compressed domain**
Coimbra, M.; Davies, M.;
Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04). International Conference on
Volume 3, 17-21 May 2004 Page(s):iii - 605-8 vol.3
Digital Object Identifier 10.1109/ICASSP.2004.1326617

AbstractPlus | Full Text: <u>PDF</u>(890 KB)   **IEEE CNF**

□   **2. Progressive transmission of grey-scale and binary pictures by simple, efi lossless encoding schemes**
Knowlton, K.;
Proceedings of the IEEE
Volume 68, Issue 7, July 1980 Page(s):885 - 896

AbstractPlus | Full Text: <u>PDF</u>(5444 KB)   **IEEE JNL**

□   **3. Morphological skeleton representation and coding of binary images**
Maragos, P.; Schafer, R.;
Acoustics, Speech, and Signal Processing [see also IEEE Transactions on Sig
IEEE Transactions on
Volume 34, Issue 5, Oct 1986 Page(s):1228 - 1244

AbstractPlus | Full Text: <u>PDF</u>(2048 KB)   **IEEE JNL**

□   **4. Edge sets: an effective evolutionary coding of spanning trees**
Raidl, G.R.; Julstrom, B.A.;
Evolutionary Computation, IEEE Transactions on
Volume 7, Issue 3, June 2003 Page(s):225 - 239
Digital Object Identifier 10.1109/TEVC.2002.807275

AbstractPlus | <u>References</u> | Full Text: <u>PDF</u>(756 KB)   **IEEE JNL**

□   **5. Properties of contour codes**
Wilson, G.R.;
Vision, Image and Signal Processing, IEE Proceedings-
Volume 144, Issue 3, June 1997 Page(s):145 - 149

AbstractPlus | Full Text: <u>PDF</u>(516 KB)   **IEE JNL**

□   **6.**
Moments of a crack coded blob
Wilson, G.R.; Batchelor, B.G.;

Computers and Digital Techniques, IEE Proceedings-
Volume 140, Issue 1, Jan 1993 Page(s):54 - 58

AbstractPlus | Full Text: PDF(216 KB)   IEE JNL

☐ 7. **Learning and extracting primal-sketch features in a log-polar image repre**
Gomes, H.M.; Fisher, R.B.;
Computer Graphics and Image Processing, 2001 Proceedings of XIV Brazilian
15-18 Oct. 2001 Page(s):338 - 345
Digital Object Identifier 10.1109/SIBGRAPI.2001.963074

AbstractPlus | Full Text: PDF(733 KB)   IEEE CNF

☐ 8. **Motion segmentation and pose recognition with motion history gradients**
Bradski, G.R.; Davis, J.;
Applications of Computer Vision, 2000, Fifth IEEE Workshop on.
4-6 Dec. 2000 Page(s):238 - 244
Digital Object Identifier 10.1109/WACV.2000.895428

AbstractPlus | Full Text: PDF(736 KB)   IEEE CNF

☐ 9. **A data structure for the parallel processing of chains**
Wilson, G.R.; Batchelor, B.G.;
Image Processing and its Applications, 1989., Third International Conference c
18-20 Jul 1989 Page(s):141 - 145

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IEE CNF	IEE Conference Proceeding
IEEE STD	IEEE Standard

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☐ Check to search only within this results set

Display Format:　◉ Citation　○ Citation & Abstract

Select　　**Article Information**

☐　**1. Convex hull of chain-coded blob**
Wilson, G.R.; Batchelor, B.G.;
Computers and Digital Techniques, IEE Proceedings-
Volume 136, Issue 6, Nov 1989 Page(s):530 - 534

AbstractPlus | Full Text: PDF(276 KB)　**IEE JNL**

☐　**2. Edge sets: an effective evolutionary coding of spanning trees**
Raidl, G.R.; Julstrom, B.A.;
Evolutionary Computation, IEEE Transactions on
Volume 7, Issue 3, June 2003 Page(s):225 - 239
Digital Object Identifier 10.1109/TEVC.2002.807275

AbstractPlus | References | Full Text: PDF(756 KB)　**IEEE JNL**

☐　**3. Search window size decision for motion estimation algorithm in H.264 vi**
Bailo, G.; Bariani, M.; Barbieri, I.; Raggio, M.;
Image Processing, 2004. ICIP '04. 2004 International Conference on
Volume 3, 24-27 Oct. 2004 Page(s):1453 - 1456 Vol. 3
Digital Object Identifier 10.1109/ICIP.2004.1421337

AbstractPlus | Full Text: PDF(602 KB)　**IEEE CNF**

☐　**4. Segmentation of moving pedestrians within the compressed domain**
Coimbra, M.; Davies, M.;
Acoustics, Speech, and Signal Processing, 2004. Proceedings. (ICASSP '04).
International Conference on
Volume 3, 17-21 May 2004 Page(s):iii - 605-8 vol.3
Digital Object Identifier 10.1109/ICASSP.2004.1326617

AbstractPlus | Full Text: PDF(890 KB)　**IEEE CNF**

☐　**5. Event detection from MPEG video in the compressed domain**
Yoon, K.; DeMenthon, D.; Doermann, D.;
Pattern Recognition, 2000. Proceedings. 15th International Conference on
Volume 1, 3-7 Sept. 2000 Page(s):819 - 822 vol.1
Digital Object Identifier 10.1109/ICPR.2000.905531

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☐　**6.**
A region based descriptor for spatial distribution of motion activity for cc
Divakaran, A.; Peker, K.; Huifang Sun;

Image Processing, 2000. Proceedings. 2000 International Conference on
Volume 2, 10-13 Sept. 2000 Page(s):287 - 290 vol.2
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☐   7. **Morphological filtering of multi-level image using entropy**
Jong-Ho Choi; Duck-Young Ko;
TENCON 99. Proceedings of the IEEE Region 10 Conference
Volume 2, 15-17 Sept. 1999 Page(s):1279 - 1282 vol.2
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Pattern Analysis and Machine Intelligence, IEEE Transactions on
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Fleuret, F.; Lengagne, R.; Fua, P.;
Computer Vision, 2005. ICCV 2005. Tenth IEEE International Conference on
Volume 1, 17-20 Oct. 2005 Page(s):694 - 700
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Duck-Joo Lee; Seon-Uk Na;
High Performance Computing on the Information Superhighway, 1997. HPC A:
28 April-2 May 1997 Page(s):744 - 747
Digital Object Identifier 10.1109/HPC.1997.592246

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Simoncini, L.; Kovacs, Z.M.;
Document Analysis and Recognition, 1995., Proceedings of the Third Internatic on
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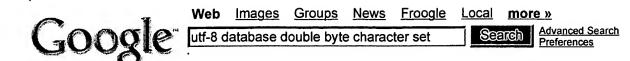- Delete a search
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... characters require two terminal **character** positions (**double**-width). ...
If it is **set**, the "cooked" mode line editor will treat **UTF-8** multi-**byte** ...
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Character conversion
A **UTF-8 character** can be 1,2,3 or 4 **bytes** in length. A **UTF-8** data string can ...
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Unicode implementation in DB2 Universal **Database**
The MBCS code page number is 1208, which is the **database** code page number, and
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[PPT] Migration of a 4GL and Relational **Database** to Unicode
File Format: Microsoft Powerpoint 97 - View as HTML
Progress **Database**. Host-based. **Character** Client. GUI Client ... Implement **UTF-8**
as 3-**byte character set**. Leverage & extend **double-byte** enabling ...
www.xencraft.com/resources/unicode9903.ppt - Similar pages

ColdFusion MX 7 -- Handling data in ColdFusion MX -- Version 7
ColdFusion stores WDDX (Web Distributed Data Exchange) data as **UTF-8** encoding,
so it automatically supports **double-byte character** encodings. ...
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MySQL AB :: Unicode and Other Funny Characters
For **character** sets that wouldn't fit in a single **byte**, **double-byte character** sets
... (Or if you are using a single-**byte character set** that is a superset of ...
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NET, and JDBC; Adaptive Server Anywhere **database** server supports **UTF8** ...
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Welcome to Ektron.com
If stored in a **database**, the **database** must support **double-byte** Unicode or **UTF-8**
characters. May not be supported in Netscape Navigator 4. **Character set** ...
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Choosing a **Character Set**
... that **byte** is a single-**byte character** or the first **byte** of a **double-byte** ...
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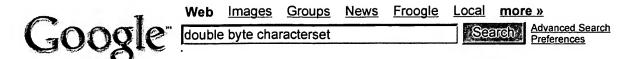Free! Get the Google Toolbar. <u>Download Now</u> - <u>About Toolbar</u>

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Each SBCS/DBCS code page supports different **characters**, but none of them support
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Issues Specific to the Double Byte Character Set (DBCS) (Visual ...
The **double-byte character set** (DBCS) was created to handle East Asian languages
that use ideographic **characters**, which require more than the 256 **characters** ...
msdn.microsoft.com/library/en-us/vbcon98/
html/vbconissuesspecificto**doublebytecharacterset**dbcs.asp - 12k - Cached - Similar pages

Character set, code pages, encodings, at the push of a button
Some of these have more specific names DBCS (**double-byte character set**),
MBCS (multi-**byte character set**). Some encodings are the result of transformations, ...
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Double-byte character set fundamentals
You can use **double-byte characters** as well as single-**byte characters** in one ...
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Appendix B. Double-Byte Character Set (DBCS) considerations
A **double-byte character set** (DBCS) is a **character set** that represents each
character with 2 **bytes**. The DBCS supports national languages that contain a large ...
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DBCS (Delivery Bar Code Sorter, **Double-Byte Character Set**)
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Setting the Character Set for SWIN and SAPlpd (SAP Library)
You want to use a **double-byte character set**. Example: you want to print Japanese
Kanji **characters**. You want to use an OEM **character set** that you have ...
help.sap.com/saphelp_nw04/helpdata/ en/d9/4a915e51ea11d189570000e829fbbd/content.htm - 8k -
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High-Tech Dictionary Definition
Definition for: **double-byte character set** (DCBS).A **character set** which uses ...
Using **double-byte characters** expands the possible number of combinations of ...
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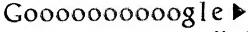## Macromedia - Dreamweaver TechNote : Double-byte characters display ...
Double-byte characters display incorrectly in Dreamweaver 4. Issue. Dreamweaver 4
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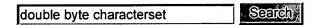
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